

## National Center for Health Statistics

# Daily Updates of Totals by Week and State

Provisional Death Counts for Coronavirus Disease 2019 (COVID-19)

### Contents

#### **Daily Updates of Totals by Week and State**

[Weekly Updates by Select Demographic and Geographic Characteristics](#)


[Health Disparities: Race and Hispanic Origin](#)

[Excess Deaths Associated with COVID-19](#)

[Index of Available Data Files](#)

[Technical Notes](#)

Updated: September 2, 2020

 Note: Provisional death counts are based on death certificate data received and coded by the National Center for Health Statistics as of the date specified. Death counts are delayed and may differ from other published sources (see Technical Notes). Counts will be updated periodically. Additional information will be added to this site as available.

The provisional counts for coronavirus disease 2019 (COVID-19) deaths are based on a current flow of mortality data in the National Vital Statistics System. National provisional counts include deaths occurring within the 50 states and the District of Columbia that have been received and coded as of the date specified. It is important to note that it can take several weeks for death records to be submitted to National Center for Health Statistics (NCHS), processed, coded, and tabulated. Therefore, the data shown on this page may be incomplete, and will likely not include all deaths that occurred during a given time period, especially for the more recent time periods. Death counts for earlier weeks are continually revised and may increase or decrease as new and updated death certificate data are received from the states by NCHS. COVID-19 death counts shown here may differ from other published sources, as data currently are lagged by an average of 1–2 weeks.

The provisional data presented on this page include the weekly provisional count of deaths in the United States due to COVID-19, deaths from all causes and percent of expected deaths (i.e., number of deaths received over number of deaths expected based on data from previous years), pneumonia deaths (excluding pneumonia deaths involving influenza), pneumonia deaths involving COVID-19, influenza deaths, and deaths involving pneumonia, influenza, or COVID-19; (a) by week ending date and (b) by specific jurisdictions.

For the Index of Provisional COVID-19 Mortality Surveillance and Ad-hoc Data Files, [click here](#).

Table 1 has counts of death involving COVID-19 and select causes of death by the week ending date in which the death occurred. For deaths involving COVID-19 by week ending date at the state level, [Click here to download](#).

▼ **Table 1. Deaths involving coronavirus disease 2019 (COVID-19), pneumonia, and influenza reported to NCHS by week ending date, United States. Week ending 2/1/2020 to 8/29/2020.\***

**Updated September 2, 2020**

Week ending date in which the death occurred	All Deaths involving COVID-19 (U07.1) <sup>1</sup>	Deaths from All Causes	Percent of Expected Deaths <sup>2</sup>	Deaths involving Pneumonia, with or without COVID-19, excluding Influenza deaths (J12.0–J18.9) <sup>3</sup>	Deaths involving COVID-19 and Pneumonia, excluding Influenza (U07.1 and J12.0–J18.9) <sup>3</sup>	All Deaths involving Influenza, with or without COVID-19 or Pneumonia (J09–J11), includes COVID-19 or Pneumonia <sup>4</sup>	Deaths involving Pneumonia, Influenza, or COVID-19 (U07.1 or J09–J18.9) <sup>5</sup>
Total Deaths	<b>170,566</b>	1,841,678	110	175,096	75,771	6,660	275,565
2/1/2020	<b>0</b>	58,567	99	3,794	0	479	4,273
2/8/2020	<b>1</b>	59,277	99	3,797	0	520	4,318
2/15/2020	<b>0</b>	58,675	100	3,822	0	557	4,379
2/22/2020	<b>5</b>	58,717	101	3,697	1	564	4,265
2/29/2020	<b>9</b>	59,141	103	3,817	5	654	4,475
3/7/2020	<b>35</b>	59,492	103	3,952	17	632	4,601
3/14/2020	<b>52</b>	58,222	102	3,943	27	619	4,586
3/21/2020	<b>572</b>	58,889	104	4,527	253	560	5,399
3/28/2020	<b>3,152</b>	62,831	112	6,164	1,425	441	8,282
4/4/2020	<b>10,004</b>	72,088	129	9,900	4,747	478	15,399
4/11/2020	<b>16,155</b>	78,818	142	11,970	7,215	474	21,044
4/18/2020	<b>17,036</b>	76,484	141	11,369	7,292	266	21,190
4/25/2020	<b>15,397</b>	73,541	137	10,342	6,587	143	19,199
5/2/2020	<b>13,114</b>	68,939	128	8,918	5,500	65	16,577
5/9/2020	<b>11,138</b>	66,500	126	7,805	4,693	47	14,287
5/16/2020	<b>9,136</b>	64,138	122	6,725	3,759	21	12,120
5/23/2020	<b>7,130</b>	61,233	118	5,843	2,949	24	10,043
5/30/2020	<b>6,084</b>	59,233	114	5,228	2,464	12	8,860
6/6/2020	<b>4,957</b>	58,353	111	4,852	2,129	11	7,691
6/13/2020	<b>4,160</b>	57,403	111	4,483	1,849	11	6,802

6/20/2020	<b>3,766</b>	57,184	111	4,305	1,586	7	6,491
6/27/2020	<b>3,723</b>	57,473	112	4,169	1,529	10	6,372
7/4/2020	<b>4,366</b>	58,176	112	4,421	1,942	4	6,846
7/11/2020	<b>5,487</b>	59,256	116	5,301	2,606	9	8,191
7/18/2020	<b>6,769</b>	59,747	117	5,849	3,263	12	9,364
7/25/2020	<b>7,550</b>	59,898	118	6,235	3,643	9	10,147
8/1/2020	<b>7,152</b>	58,446	114	5,996	3,483	12	9,671
8/8/2020	<b>6,401</b>	55,950	109	5,689	3,215	8	8,880
8/15/2020	<b>4,736</b>	50,579	99	4,592	2,365	5	6,965
8/22/2020	<b>2,109</b>	38,041	75	2,714	1,026	4	3,800
8/29/2020	<b>370</b>	16,387	32	877	201	2	1,048

NOTE: Number of deaths reported in this table are the total number of deaths received and coded as of the date of analysis and do not represent all deaths that occurred in that period. Counts of deaths occurring before or after the reporting period are not included in the table. The United States population, based on 2018 postcensal estimates from the U.S. Census Bureau, is 327,167,434.

\*Data during this period are incomplete because of the lag in time between when the death occurred and when the death certificate is completed, submitted to NCHS and processed for reporting purposes. This delay can range from 1 week to 8 weeks or more, depending on the jurisdiction and cause of death.

<sup>1</sup>Deaths with confirmed or presumed COVID-19, coded to ICD-10 code U07.1

<sup>2</sup>Percent of expected deaths is the number of deaths for all causes for this week in 2020 compared to the average number across the same week in 2017–2019. Previous analyses of 2015–2016 provisional data completeness have found that completeness is lower in the first few weeks following the date of death (<25%), and then increases over time such that data are generally at least 75% complete within 8 weeks of when the death occurred (8).

<sup>3</sup>Counts of deaths involving pneumonia include pneumonia deaths that also involve COVID-19 and exclude pneumonia deaths involving influenza.

<sup>4</sup>Counts of deaths involving influenza include deaths with pneumonia or COVID-19 also listed as a cause of death.

<sup>5</sup>Deaths with confirmed or presumed COVID-19, pneumonia, or influenza, coded to ICD-10 codes U07.1 or J09–J18.9.

▼ **Table 2. Deaths involving coronavirus disease 2019 (COVID-19), pneumonia, and influenza reported to NCHS by jurisdiction of occurrence, United States. Week ending 2/1/2020 to 8/29/2020.\***

Updated September 2, 2020

Jurisdiction of Occurrence	All Deaths involving COVID-19 (U07.1) <sup>1</sup>	Deaths from All Causes	Percent of Expected Deaths <sup>2</sup>	Deaths involving Pneumonia, with or without COVID-19, excluding Influenza deaths (J12.0–J18.9) <sup>3</sup>	Deaths involving COVID-19 and Pneumonia, excluding Influenza (J12.0–J18.9 and U07.1) <sup>3</sup>	All Deaths involving Influenza, with or without COVID-19 or Pneumonia (J09–J11) <sup>4</sup>	Deaths involving Pneumonia, Influenza, or COVID-19 (U07.1 or J09–J18.9) <sup>5</sup>
United States <sup>6</sup>	<b>170,566</b>	1,841,678	110	175,096	75,771	6,660	275,565
Alabama	<b>2,609</b>	33,837	109	2,543	833	100	4,414
Alaska	<b>30</b>	2,422	96	109	16	-	129
Arizona	<b>4,554</b>	43,750	124	4,818	2,610	115	6,877

Arkansas	<b>777</b>	19,721	106	1,476	329	77	2,000
California	<b>12,336</b>	172,818	109	17,557	6,903	579	23,567
Colorado	<b>1,853</b>	26,047	113	2,202	961	95	3,184
Connecticut	<b>4,302</b>	19,895	107	1,798	933	73	5,237
Delaware	<b>550</b>	5,976	110	465	217	16	814
District of Columbia	<b>717</b>	4,314	120	916	686	-	956
Florida	<b>10,738</b>	138,022	112	12,966	5,435	325	18,574
Georgia	<b>4,538</b>	54,229	109	4,541	2,033	112	7,156
Hawaii	<b>40</b>	6,745	98	396	17	20	439
Idaho	<b>340</b>	8,735	104	466	120	25	711
Illinois	<b>7,303</b>	72,089	116	7,448	3,581	178	11,345
Indiana	<b>3,166</b>	41,469	107	3,843	1,307	133	5,831
Iowa	<b>1,070</b>	18,372	104	1,281	309	84	2,126
Kansas	<b>513</b>	15,941	103	1,045	218	89	1,429
Kentucky	<b>910</b>	28,056	99	2,523	434	99	3,097
Louisiana	<b>4,186</b>	30,786	114	3,227	2,024	74	5,457
Maine	<b>145</b>	8,832	103	575	30	31	721
Maryland	<b>4,014</b>	34,324	117	3,463	1,473	126	6,114
Massachusetts	<b>7,960</b>	41,978	120	5,206	2,846	164	10,476
Michigan	<b>5,988</b>	64,687	113	6,206	2,907	242	9,524
Minnesota	<b>1,774</b>	27,822	107	2,036	496	121	3,434
Mississippi	<b>2,173</b>	21,416	115	2,495	1,101	54	3,620
Missouri	<b>1,471</b>	38,423	101	2,377	502	178	3,524
Montana	<b>84</b>	5,965	98	294	21	34	391
Nebraska	<b>374</b>	10,193	102	759	142	28	1,019
Nevada	<b>1,125</b>	16,582	108	1,780	853	41	2,093
New Hampshire	<b>414</b>	7,776	107	486	113	30	816
New Jersey	<b>14,138</b>	59,966	137	9,761	6,830	121	17,176
New Mexico	<b>720</b>	11,591	107	903	315	29	1,337
New York <sup>7</sup>	<b>11,511</b>	71,567	122	10,209	5,557	211	16,355
New York City	<b>20,636</b>	57,823	182	10,916	7,934	965	23,750
North Carolina	<b>1,870</b>	47,177	84	3,347	718	229	4,726
North Dakota	<b>144</b>	4,154	100	349	52	20	461
Ohio	<b>3,553</b>	73,204	101	4,811	1,493	262	7,132

Oklahoma	<b>780</b>	22,993	99	2,052	308	112	2,630
Oregon	<b>408</b>	21,603	100	1,032	139	65	1,365
Pennsylvania	<b>7,852</b>	84,083	105	6,627	2,805	245	11,915
Rhode Island	<b>1,008</b>	6,634	108	672	391	25	1,314
South Carolina	<b>2,212</b>	32,751	113	2,550	914	100	3,946
South Dakota	<b>179</b>	4,667	97	375	79	26	501
Tennessee	<b>1,564</b>	46,209	105	3,667	715	134	4,649
Texas	<b>11,928</b>	133,851	113	13,681	5,891	358	20,066
Utah	<b>407</b>	12,132	108	693	144	40	996
Vermont	<b>59</b>	3,491	103	171	14	16	232
Virginia	<b>2,608</b>	43,656	109	2,687	912	114	4,495
Washington	<b>1,669</b>	35,191	104	2,634	852	113	3,559
West Virginia	<b>152</b>	12,028	91	854	51	58	1,013
Wisconsin	<b>1,083</b>	32,894	106	1,639	198	150	2,672
Wyoming	<b>31</b>	2,791	105	169	-	-	200
Puerto Rico	<b>320</b>	15,176	88	1,885	186	64	2,081

NOTE: Number of deaths reported in this table are the total number of deaths received and coded as of the date of analysis and do not represent all deaths that occurred in that period. Counts of deaths occurring before or after the reporting period are not included in the table.

\*Data during this period are incomplete because of the lag in time between when the death occurred and when the death certificate is completed, submitted to NCHS and processed for reporting purposes. This delay can range from 1 week to 8 weeks or more, depending on the jurisdiction and cause of death.

<sup>1</sup>Deaths with confirmed or presumed COVID-19, coded to ICD-10 code U07.1.

<sup>2</sup>Percent of expected deaths is the number of deaths for all causes for this week in 2020 compared to the average number across the same week in 2017–2019.

<sup>3</sup>Counts of deaths involving pneumonia include pneumonia deaths that also involve COVID-19 and exclude pneumonia deaths involving influenza.

<sup>4</sup>Counts of deaths involving influenza include deaths with pneumonia or COVID-19 also listed as a cause of death.

<sup>5</sup>Deaths with confirmed or presumed COVID-19, pneumonia, or influenza, coded to ICD-10 codes U07.1 or J09-18.9.

<sup>6</sup>United States death count includes the 50 states, plus the District of Columbia and New York City.

<sup>7</sup>Excludes New York City.

# Understanding the Numbers: Provisional Death Counts and COVID-19

*Provisional death counts deliver the most complete and accurate picture of lives lost to COVID-19. They are based on death certificates, which are the most reliable source of data and contain information not available anywhere else, including comorbid conditions, race and ethnicity, and place of death.*

## How it Works

**The National Center for Health Statistics (NCHS) uses incoming data from death certificates to produce provisional COVID-19 death counts.** These include deaths occurring within the 50 states and the District of Columbia.

**NCHS also provides summaries that examine deaths in specific categories and in greater geographic detail,** such as deaths by county and by race and Hispanic origin.

**COVID-19 deaths are identified using a new ICD-10 code.** When COVID-19 is reported as a cause of death – or when it is listed as a “probable” or “presumed” cause — the death is coded as **U07.1**. This can include cases with or without laboratory confirmation.

## Why These Numbers are Different

Provisional death counts may not match counts from other sources, such as media reports or numbers from county health departments. Counts by NCHS often track 1–2 weeks behind other data.

- **Death certificates take time to be completed.** There are many steps to filling out and submitting a death certificate. Waiting for test results can create additional delays.
- **States report at different rates.** Currently, 63% of all U.S. deaths are reported within 10 days of the date of death, but there is significant variation between states.
- **It takes extra time to code COVID-19 deaths.** While 80% of deaths are electronically processed and coded by NCHS within minutes, most deaths from COVID-19 must be coded by a person, which takes an average of 7 days.
- **Other reporting systems use different definitions or methods for counting deaths.**

## Things to know about the data

**Provisional counts are not final and are subject to change.** Counts from previous weeks are continually revised as more records are received and processed.

**Provisional data are not yet complete.** Counts will not include all deaths that occurred during a given time period, especially for more recent periods. However, we can estimate how complete our numbers are by looking at the average number of deaths reported in previous years.

**Death counts should not be compared across states.** Some states report deaths on a daily basis, while other states report deaths weekly or monthly. State vital record reporting may also be affected or delayed by COVID-19 related response activities.

For more detailed technical information, visit the [Provisional Death Counts for Coronavirus Disease 2019 \(COVID-19\) Technical Notes](#) page.

